Overview

- The Baylor Computer Science Assessment Committee collects evidence from constituents and within the context and structure of the faculty as whole, faculty committees, and faculty teaching responsibilities.
- The evidence is distilled and forms the basis for instituting improvements in the program.
- Top-level summary documents are included in this report along with an updated Assessment Process Plan and History of Improvements.

Results – 1 of 6

- All Program Educational Objectives (PEO) and Expected Graduate Outcomes (EGO) have been met.
- The program is in a strong position in most cases, but there are areas that could become weaknesses if not tended.
- Currently, all known needs are in the process of being addressed.

Results - 2 of 6

- There continues to be strong support for requiring a new Algorithms course and strengthening software design, object-oriented programming, web development, and computer security.
- Efforts should conclude this coming cycle to address these needs.
- The viability of Survey of Programming Languages is questionable.
Results - 3 of 6

- There is a lesser appreciation for theory among alumni and the industrial advisory board.
- Coursework directly related to current job-place-skill sets are viewed as most desirable.
- Problem-solving prowess, expertise with modern development tools, team work, and communications skills are most highly valued.

Results - 4 of 6

- The faculty are exceptionally pleased with space renovations that were spearheaded by the dean.
- The department remains a cordial, supportive place to work.
- Faculty are confident in and trusting of departmental leadership.

Results - 5 of 6

- There are concerns about the lack of representation at the school level.
- There are broad-level concerns, some intense, over the public controversy that brings into question the effectiveness and fairness of senior administration.
- Significant cutbacks in equipment, supplies, and travel, together with salary freezes are a concern.
- Still, faculty are generally confident that recent temporary cutbacks will not affect the program this coming year.

Results - 6 of 6

- No faculty have reported problems in accessing or acquiring library resources. Faculty prefer electronic access.

In-Progress Improvements

<table>
<thead>
<tr>
<th>In-Progress Improvements</th>
<th>Year</th>
<th>Effort</th>
<th>Instruments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Declare Java as an introductory language</td>
<td>2003</td>
<td>3.5</td>
<td>FCM, AQ</td>
</tr>
<tr>
<td>Consider adding of algorithms course</td>
<td>2003</td>
<td>3.5</td>
<td>AQ, FQ</td>
</tr>
<tr>
<td>Consider requiring both capstone courses, 4344 and 4315</td>
<td>2003</td>
<td>3.5</td>
<td>AQ, FQ</td>
</tr>
<tr>
<td>Require Data Communications or introduce earlier in curriculum</td>
<td>2002</td>
<td>1.5</td>
<td>AQ, FQ</td>
</tr>
<tr>
<td>Reduce foreign language to cover additions of CSI 3101 and CSS 3188 in liberal arts and make room for more algorithms and data communications.</td>
<td>2002</td>
<td>1.5</td>
<td>FCM, AQ</td>
</tr>
<tr>
<td>Review Survey of Programming Languages</td>
<td>2002</td>
<td>1</td>
<td>FCM, AQ, AQ/ORDU</td>
</tr>
<tr>
<td>Software Engineering track planning</td>
<td>2002</td>
<td>3.5</td>
<td>AQ/ORDU</td>
</tr>
<tr>
<td>Revise Assessment Process to a 2-year cycle.</td>
<td>2001</td>
<td>1.5</td>
<td>AQ</td>
</tr>
</tbody>
</table>

CS Agenda Recommendations: Recommended Process

- Each issue is assigned to a task force or committee
- Each task force and committee would:
  - present findings at one faculty meeting,
  - discussion would be at the next meeting, and
  - if action is needed, action would take place at the next meeting.
- Each task force and committee would prepare an executive summary for the ECS Advocacy Board in October.
- Committee Meetings are held to no more than 50 minutes.
Assignments: Assessment Committee

- Simplify Assessment Process.
- Improve Assessment Instruments.
- Clarify Data Archiving.
- Present next 2005-06 Plan at Fall 2005 retreat.

Assignments: Undergraduate Curriculum Committee

- Oversee the Task Forces
- Status Report on Java as a First Language in ECS Advocacy Board report
- Introduce a model curriculum by late October.
  - Accommodate Task Force recommendations, specifically
    - Algorithms
    - 2-course sequence in Software Design, Practice & Experience
    - Includes Capstone experience
  - Reduce language requirement if necessary.
- Discussion in early November.
- Action in mid November (no later than 2005-06 catalog due date)

Assignments: Algorithms Course Task Force

- Status Report for inclusion in ECS Advocacy Board report.
- Status: Course approved, not required.

Assignments: Algorithms Course Task Force

- Status Report for inclusion in ECS Advocacy Board report.
- Status: Report will be made at Fall retreat.

Assignments: Software Design, Practice, & Experience Task Force

- Define a two course sequence at the advanced sophomore-junior level.
- Status: CSI 3342 and CSI 4342 are on the books.
- Present to faculty in early October.
- Discussion in late October.
- Adoption target in early November.

Assignments: Data Communications Task Force

- Status Report for inclusion in ECS Advocacy Board report.
- Internal accommodation in 2005.
- Curriculum changes in 2006.
- Should not hold up 2005 curriculum changes.

Assignments: Survey/Theory Task Force

- Revise Theory and Survey of Programming Language content.
- Present revision in early October.
- Discussion in late October.
- Adoption target in early November, but can wait a cycle.
- Should not hold up 2005 curriculum changes.